Amendments to the Specification:

Please replace the paragraphs beginning on page 3, line 20 through page 7, line 25 with the following amended paragraphs:

FIGS. 12(a), 12(b) and 12(c) are views ~~FIG.12 is a view~~ illustrating a frame structure of signal according to Embodiment 6 of the present invention;

FIG.13 is another view illustrating a frame structure of signal according to Embodiment 6 of the present invention;

FIG.14 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 7 of the present invention;

FIG.15 is a block diagram illustrating another configuration of a communication apparatus according to Embodiment 7 of the present invention;

Fig.16 is a block diagram illustrating a configuration of a propagation estimating section in a communication apparatus according to Embodiment 8 of the present invention;

FIG.17 is a graph for explaining the direction of arrival estimation result;

FIG.18 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 9 of the present invention;

FIG.19 is a view for explaining the polarization of signal;

FIG.20 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 10 of the present invention;

FIG.21 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 11 of the present invention;

FIG.22 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 12 of the present invention;

FIG.23 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 13 of the present invention;

FIG.24 is a block diagram illustrating another configuration of a communication apparatus according to Embodiment 13 of the present invention;

FIG.25 is a sequence diagram illustrating the operation of the communication apparatus according to Embodiment 13 of the present invention;

FIG.26 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 14 of the present invention;

FIG.27 is a block diagram illustrating a configuration of a propagation estimating section in the communication apparatus according to Embodiment 14 of the present invention;

FIGS. 28(a) and 28(b) are views ~~FIG.28 is a view~~ illustrating auto-correction sequences;

FIG.29 is a graph illustrating a delay profile;

FIG.30 is a block diagram illustrating a configuration of a propagation estimating section in a communication apparatus according to Embodiment 15 of the present invention;

FIG.31 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 16 of the present invention;

FIG.32 is a block diagram illustrating configurations of a propagation estimating section, converting section and coding section in the communication apparatus according to Embodiment 16 of the present invention;

FIG.33 is a block diagram illustrating a system according to Embodiment 16 of the present invention;

FIG.34 is a graph illustrating a frequency characteristic of the delay profile;

FIG.35 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 17 of the present invention;

FIG.36 is a block diagram illustrating another configuration of a communication apparatus according to Embodiment 17 of the present invention;

FIG.37 is a sequence diagram illustrating the operation of the communication apparatus according to Embodiment 17 of the present invention;

FIG.38 is a view illustrating signal processing in the communication apparatus according to Embodiment 17 of the present invention;

FIG.39 is another view illustrating signal processing in the communication apparatus according to Embodiment 17 of the present invention;

FIG.40 is a view illustrating power distribution;

FIG.41 is another view illustrating power distribution;

FIG.42 is another view illustrating power distribution;

FIG.43 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 18 of the present invention;

FIG.44 is a block diagram illustrating another configuration of a communication apparatus according to Embodiment 18 of the present invention;

FIG.45 is a view illustrating signal processing in the communication apparatus according to Embodiment 18 of the present invention;

FIG.46 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 19 of the present invention;

FIG.47 is a sequence diagram illustrating the operation of the communication apparatus according to Embodiment 19 of the present invention;

FIGS. 48(a) and 48(b) are views ~~FIG.48 is a view~~ illustrating a frame structure of signal according to Embodiment 20 of the present invention;

FIGS. 49(a), 49(b) and 49(c) are other views ~~FIG.49 is another view~~ illustrating a frame structure of signal according to Embodiment 20 of the present invention;

FIGS, 50(a), 50(b), and 50(c) are views ~~FIG.50 is a view~~ illustrating a frame structure of signal according to Embodiment 21 of the present invention;

FIG.51 is a block diagram illustrating a configuration of a communication apparatus according to Embodiment 22 of the present invention;

FIGS. 52(a), 52(b), and 52(c) are views ~~FIG.52 is a view~~ illustrating a frame structure of signal according to Embodiment 22 of the present invention;